

U.S. Patent Application Serial No. 10/005,182
Applicant: Cohen, et al.

AMENDMENTS TO THE CLAIMS

This Listing of Claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (cancelled)
2. (cancelled)
3. (currently amended) A computer-implemented method for displaying patterns of utilization of a resource, wherein said resource includes a plurality of objects of interest, the method comprising the steps of:
 - defining a task as a predetermined sequence of accesses to one or more objects of interest of said plurality of objects of interest;
 - accessing data representative of one or more sequences of user accesses to one or more of said plurality of objects of interest, wherein at least one of the user accesses is to an object of interest that is not in the task sequence;
 - determining an association between said one or more sequences of user accesses and the performance of said task; and
 - displaying information representative of the performance of said task
 - constructing task performance data by comparing the task sequence to the data representative of one or more sequences of user accesses; and
 - displaying the task performance data.
4. (previously presented) The computer-implemented method of claim 3, wherein an object of interest is a web-page.
5. (previously presented) The computer-implemented method of claim 3, wherein said resource is a web-site.

U.S. Patent Application Serial No. 10/005,182

Applicant: Cohen, et al.

6. (previously presented) The computer-implemented method of claim 3, wherein the step of defining a task as a predetermined sequence of accesses to one or more objects of interest, comprises:

defining a step as an access to one or more objects of interest; and
defining a task as a predetermined sequence of steps.

7. (currently amended) The computer-implemented method of claim 6, wherein said step of ~~displaying information representative of the performance of a task~~ displaying the task performance data displays said information on a graphical display showing a number of users that completed each step of the path.

8. (previously presented) The computer-implemented method of claim 6, wherein completion of a step requires access to at least one of said one or more objects of interest.

9. (previously presented) The computer-implemented method of claim 3, further comprising the step of:

determining a recommendation for modifying links between objects of interest to increase a rate of user completion of said task.

10. (currently amended) The computer-implemented method of claim 3, wherein the step of ~~determining an association between said one or more sequences of user accesses and the performance of said task~~ constructing task performance data by comparing the task sequence to the data representative of one or more sequences of user accesses comprises analyzing one or more users that spend a predetermined amount of time viewing said one or more of the objects of interest.

11. (currently amended) The computer-implemented method of claim 3, wherein the step of ~~determining an association between said one or more sequences of user accesses and the performance of said task~~ constructing task performance data by comparing the task sequence to

U.S. Patent Application Serial No. 10/005,182

Applicant: Cohen, et al.

the data representative of one or more sequences of user accesses comprises analyzing one or more users that enter a web site at a particular object of interest.

12. (currently amended) The computer-implemented method of claim 3, wherein the step of determining an association between said one or more sequences of user accesses and the performance of said task constructing task performance data by comparing the task sequence to the data representative of one or more sequences of user accesses comprises analyzing one or more users that enter a web site from a predetermined referring site.

13. (currently amended) The computer-implemented method of claim 3, wherein the step of determining an association between said one or more sequences of user accesses and the performance of said task constructing task performance data by comparing the task sequence to the data representative of one or more sequences of user accesses comprises analyzing one or more users that access a predetermined minimum number of said objects of interest.

14. (currently amended) The computer-implemented method of claim 3, wherein the step of determining an association between said one or more sequences of user accesses and the performance of said task constructing task performance data by comparing the task sequence to the data representative of one or more sequences of user accesses comprises analyzing one or more users that access a predetermined maximum number of objects of interest.

15. (currently amended) The computer-implemented method of claim 3, wherein the step of determining an association between said one or more sequences of user accesses and the performance of said task constructing task performance data by comparing the task sequence to the data representative of one or more sequences of user accesses comprises analyzing one or more users that access a predetermined set of objects of interest.

16. (previously presented) The computer-implemented method of claim 15, wherein said one or more users access said predetermined set of objects of interest, but wherein such access is not performed during a single session.

U.S. Patent Application Serial No. 10/005,182
Applicant: Cohen, et al.

17. (previously presented) The computer-implemented method of claim 3, further comprising the step of:

identifying one or more users from a predetermined geographical region.

18. (previously presented) The computer-implemented method of claim 3, further comprising the step of:

identifying one or more users that have accessed said resource previously.

19. (previously presented) The computer-implemented method of claim 3, further comprising the step of:

identifying one or more users that have never accessed said resource previously.

20. (previously presented) The computer-implemented method of claim 3, further comprising the step of:

identifying one or more users accessing said resource with a predetermined web browser.

21. (previously presented) The computer-implemented method of claim 3, further comprising the step of:

providing a graphical user interface for implementing the step of defining a task as a predetermined sequence of accesses to one or more objects of interest.

22. (previously presented) The computer-implemented method of claim 21, wherein said graphical user interface comprises a drag and drop interface.

23. (previously presented) The computer-implemented method of claim 21, wherein said graphical user interface comprises a task wizard interface.

24. (previously presented) The computer-implemented method of claim 21, wherein said graphical user interface comprises a selection list interface.

U.S. Patent Application Serial No. 10/005,182
Applicant: Cohen, et al.

25. (currently amended) The computer-implemented method of claim 3, wherein the step of displaying ~~the task performance data information representative of the performance of said task~~ displays task performance statistics.

26. (previously presented) The computer-implemented method of claim 25, wherein said task performance statistics comprise the number of times said task was started.

27. (previously presented) The computer-implemented method of claim 25, wherein said task performance statistics comprise cumulative counts of next objects of interest accessed after the completion of said task.

28. (previously presented) The computer-implemented method of claim 25, wherein said task performance statistics comprise the number of times said task was completed.

29. (previously presented) The computer-implemented method of claim 25, wherein said task performance statistics comprise the average number of accesses taken to complete said task.

30. (previously presented) The computer-implemented method of claim 3, wherein the step of displaying information representative of the performance of said task displays a user path for one or more users.

31. (currently amended) The computer-implemented method of claim 3, wherein the step of displaying ~~the task performance data information representative of the performance of said task~~ displays a cumulative user path representative of an average path for a plurality of users.

32. (currently amended) The computer-implemented method of claim 3, wherein the step of displaying ~~the task performance data information representative of the performance of~~

U.S. Patent Application Serial No. 10/005,182

Applicant: Cohen, et al.

~~said task~~ identifies objects of interest accessed by one or more users upon departure from said task.

33. (previously presented) The computer-implemented method of claim 32, wherein said departure from the task represents an action by a user inconsistent with completion of said task.

34. (currently amended) The computer-implemented method of claim 3, wherein the step of displaying the task performance data information representative of the performance of said task displays an animated representation of a user path.

35. (currently amended) The computer-implemented method of claim 3, wherein the step of displaying the task performance data information representative of the performance of said task displays the next object of interest accessed after one or more users completed said task.

36. (currently amended) The computer-implemented method of claim 3, wherein the step of displaying the task performance data information representative of the performance of said task displays the next resource accessed after said task was completed.

37. (currently amended) The computer-implemented method of claim 3, wherein the step of displaying the task performance data information representative of the performance of said task displays the referring object of interest accessed prior to starting said task.

38. (currently amended) The computer-implemented method of claim 3, wherein the step of displaying the task performance data information representative of the performance of said task displays the referring resource accessed prior to starting said task.

39. (previously presented) The computer-implemented method of claim 3, further comprising the step of:

retrieving a list of recommendations for improving user interaction with said resource.

U.S. Patent Application Serial No. 10/005,182
Applicant: Cohen, et al.

40. (previously presented) The computer-implemented method of claim 39, further comprising the step of:

displaying pages to be modified along with an associated recommended modification.

41. (previously presented) The computer-implemented method of claim 40, wherein the recommended modification recommends adding a link to an object of interest.

42. (previously presented) The computer-implemented method of claim 40, wherein the recommended modification recommends adding text associated with a link to an object of interest.

43. (previously presented) The computer-implemented method of claim 39, further comprising the step of:

displaying one or more recommendations for modifications associated with a particular object of interest.

44. (previously presented) The computer-implemented method of claim 39, further comprising the step of:

displaying a set of recommendations for modifying said resource; and

displaying the structure of the resource.

45. (currently amended) The computer-implemented method of claim 3, wherein each access of said predetermined sequence of accesses to one or more objects of interest of said plurality of objects of interest is a task element; and wherein the step of determining an association between said one or more sequences of user accesses and the performance of said task constructing task performance data by comparing the task sequence to the data representative of one or more sequences of user accesses comprises:

comparing said task to said one or more sequences of user accesses to one or more of said plurality of objects of interest to determine whether each task element was completed by a user.

U.S. Patent Application Serial No. 10/005,182
Applicant: Cohen, et al.

46. (previously presented) A computer programmed to perform the steps of the computer-implemented method as recited in claim 3.

47. (previously presented) A computer-readable memory which directs a computer to perform the steps in the computer-implemented method as recited in claim 3.

48. (cancelled)

49. (cancelled)

50. (cancelled)

51. (cancelled)

52. (cancelled)

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U.S. Patent Application Serial No. 10/005,182

Applicant: Cohen, et al.

60. (cancelled)

61. (cancelled)

62. (cancelled)

63. (cancelled)

64. (currently amended) A computer-implemented method for displaying patterns of utilization of a resource, wherein said resource includes a plurality of objects of interest, the method comprising the steps of:

defining a task as a predetermined sequence of accesses to one or more objects of interest of said plurality of objects of interest;

accessing data representative of one or more sequences of user accesses to said one or more of said plurality of objects of interest;

filtering user accesses by comparing the task sequence to the data representative of one or more sequences of user accesses based on how the user performed said task; and

displaying information regarding how the filtered users user accessed the objects of interest.

65. (currently amended) The computer-implemented method of claim 64, wherein the step of filtering user accesses by comparing the task sequence to the data representative of one or more sequences of user accesses based on how the user performed said task identifies one or more users that completed said task.

66. (currently amended) The computer-implemented method of claim 64, wherein the step of filtering user accesses by comparing the task sequence to the data representative of one or more sequences of user accesses based on how the user performed said task identifies one or more users that started said task.

U.S. Patent Application Serial No. 10/005,182
Applicant: Cohen, et al.

67. (currently amended) The computer-implemented method of claim 64, wherein the step of filtering user accesses by comparing the task sequence to the data representative of one or more sequences of user accesses based on how the user performed said task identifies one or more users that started said task but did not complete the task.

68. (currently amended) The computer-implemented method of claim 64, wherein the step of filtering user accesses by comparing the task sequence to the data representative of one or more sequences of user accesses based on how the user performed said task identifies one or more users that accessed said resource from a predetermined set of resources.

69. (currently amended) The computer-implemented method of claim 64, wherein the step of filtering user accesses by comparing the task sequence to the data representative of one or more sequences of user accesses based on how the user performed said task identifies one or more users that accessed said resource from a predetermined set of resources and then completed the task.

70. (currently amended) The computer-implemented method of claim 64, wherein the step of filtering user accesses by comparing the task sequence to the data representative of one or more sequences of user accesses based on how the user performed said task identifies one or more users that accessed said resource from a predetermined set of objects of interest and then started the task.

71. (currently amended) The computer-implemented method of claim 64, wherein the step of filtering user accesses by comparing the task sequence to the data representative of one or more sequences of user accesses based on how the user performed said task identifies one or more users that accessed said resource from a predetermined set of objects of interest and then completed the task.

U.S. Patent Application Serial No. 10/005,182

Applicant: Cohen, et al.

72. (currently amended) The computer-implemented method of claim 64, wherein the step of filtering user accesses by comparing the task sequence to the data representative of one or more sequences of user accesses based on how the user performed said task identifies one or more users that completed said task and then accessed one or more of a predetermined set of objects of interest.

73. (new) The computer-implemented method of claim 3, wherein one or more of the one or more sequences of user accesses are representative of physical users.

74. (new) The computer-implemented method of claim 64, wherein one or more of the one or more sequences of user accesses are representative of physical users.